



PATENTS  
15804-0107  
03.0584.5

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In Re The Application of:  
Achim Bletz et al.**

Serial No.: 10/625,040

Filed: July 23, 2003

For: LEVEL METER

Examiner: Not yet assigned

Art Unit: Not yet assigned

**Cesari and McKenna, LLP**  
**88 Black Falcon Avenue**  
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**January 15, 2004**

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## X PTO-1449 and Copies of References



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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION-DISCLOSURE STATEMENT**

In keeping with the duty of candor and good faith owed to the Patent and Trade-mark Office, Applicants wish to bring to the Examiner's attention the references listed on the accompanying form PTO-1449. A copy of each listed reference is enclosed.

**DE 195 10 484 A1** This document describes a level meter with a radar system 1 which has a micro wave generator producing a microwave signal which is reflected at the surface of a medium 2 in a container 4, and a microwave detector across a receiver aerial. The transmitter aerial and/or the receiver aerial can be designed as a dielectric rod radia-

tion unit. A single surface wave transmitter simultaneously serves as a transmitter aerial and as a receiver aerial designed preferably as a cylindrical surface wave aerial. The receiver and transmitter aerials are immersed at least partially in the medium. The aerials extend at least approximately, over the entire height of a container storing the medium.

**DE 101 36 754 A1** In this document the determination of the density of a medium 30 in a container 20 using a probe 10 is described. A questioning signal S1 is fed into the probe and a response signal S2 is detected. A medium reflection factor or impedance is determined along the probe, based on the response time, and the density along the probe is determined using these values. The questioning signal band width is at least 50 MHz, especially 100 MHz.

**DE 100 37 715 A1** This document relates to a device for measuring the filling level of a filling material 12 in a container 11, having a sensor 2 and a control /evaluation unit 4. It is an object to propose a device which permits optimized determination of the filling level and/or the monitoring of the filling level in a container 11. This object is achieved by virtue of the fact that the sensor 2 is designed such that it is operated in conjunction with at least two different measurement methods and/or the sensor 2 is operated in at least 2 different operating modes, that the control evaluation unit 4 operates the sensor 2 respectively according to at least one of two measurement methods and/or at least in one of the two operating modes and that the control/evaluation unit 4 determines the filling level of the filling material 12 in the container 11 with the aid of the measured data of sensor 2, which are supplied via at least one measurement method and/or during at least one operating mode.

**DE 100 45 235 A1** This document describes a filling level measuring device which is used to measure the filling of a filling material in a container 1, and a probe 17 is provided, which protrudes inside the container. The filling level measuring device can be mounted and dismounted without the probe 17 needing to be moved in the container 1. The device comprises a housing 11 consisting of a first section 13 and a second section 21, that sections 13, 21 respectively comprising a central axis bore 27 whereby the first section 13 has an inner diameter which is smaller than that of the second section 21; a securing device 14 provided on the housing 11 for the securing the filling level measuring device 3 on to the container 1; an insert 23 disposed in the housing 11 in such a way so that it can pivot in relation to said housing 11, that insert being placed on a surface 25 between the first and second sections 13, 21; a probe 17 protruding into the container 1; and a connecting element which connects the insert 23 and the sensor 17 along a prolongation of a longitudinal axis of the probe 17.

To the extent required by 37 C.F.R. §1.98(a)(3), Applicants have described what they consider to be the relevance of any foreign-language reference. The Office may find additionally relevant material in these or other references.

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Respectfully submitted,

A handwritten signature in black ink, appearing to read 'John F. McKenna', is written over a horizontal line.

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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**Complete if Known**

Application Number

10/625,040

Filing Date

July 23, 2003

First Named Inventor

Achim Bletz et al.

**Group Art Unit**

Not yet assigned

Examiner Name

Not yet assigned

Attorney Docket Number

15804-0107

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date  
Considered

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